

NOTICE OF DRAFTSPERSON'S  
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 11/20/01, inc.A.  approved by the Draftsperson under 37 CFR 1.84 or 1.152B.  objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of one or corrected drawings when necessary. Corrected drawing must be submitted according to the instructions in the body of this notice.

1. DRAWINGS. 37 CFR 1.84(a). Acceptable categories of drawings.  
 Black ink. Color  
 Drawings are not acceptable if color is granted.  
 Figs. \_\_\_\_\_  
 Pencil and non black ink not permitted. Figs. \_\_\_\_\_
2. PHOTOGRAPH. 37 CFR 1.84(f).  
 Full-size, as required. Figs. \_\_\_\_\_  
 Photograph may not be mounted. 37 CFR 1.84(c)  
 Poor quality (half-tone). Figs. \_\_\_\_\_
3. TYPE OF PAPER. 37 CFR 1.84(c).  
 Paper not flexible, strong, white, and durable.  
 Figs. \_\_\_\_\_  
 Faded, stained, overwritings, interlineations, faded or smudged marks not accepted. Figs. \_\_\_\_\_  
 Mylar or cloth paper is not acceptable (too thin).  
 Fig. \_\_\_\_\_
4. SIZE OF PAPER. 37 CFR 1.84(h). Acceptable sizes:  
 21.0 cm by 29.7 cm (DIN size A4)  
 21.0 cm by 17.9 cm (1/2 x 1 inches)  
 All drawing sheets to the same size  
 Sheets. 176  
 Drawing sheets not an acceptable size. Figs. \_\_\_\_\_
5. MARGINS. 37 CFR 1.84(e). Acceptable margins.  
 Top 2.5 cm. Left 1.5 cm. Right 1.5 cm. Bottom 1.0 cm  
 SIZE: A4 size  
 Top 2.5 cm. Left 1.5 cm. Right 1.5 cm. Bottom 1.0 cm  
 SIZE: 8 1/2 x 11  
 Margins not acceptable. Figs.  
 Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_  
 Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_
6. VIEWS. 37 CFR 1.84(h).  
**REMINDER:** Specification may require revision to correspond to drawing changes.  
Partial views. 37 CFR 1.84(h)(2)  
 Brackets needed to show figure as one entity  
 Fig(s) \_\_\_\_\_  
 Views not labeled separately or properly  
 Fig(s) 176, 15, 14  
 Enlarged view not labeled separately or properly  
 Fig(s) \_\_\_\_\_
7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3).  
 Hatching not indicated for sectional portions of an object  
 Fig(s) \_\_\_\_\_  
 Sectional designation should be noted with Arabic or Roman numbers. Figs. \_\_\_\_\_
8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(e).  
 Words do not appear on horizontal, left-to-right fashion when page is either upright or turned so that the spine becomes the right side, except for graphs. Figs. \_\_\_\_\_
9. SCALE. 37 CFR 1.84(k).  
 Scale not large enough to show mechanism clearly or crowding when drawing is reduced in size to two-thirds in reproduction.  
 Figs. \_\_\_\_\_
10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l).  
 Lines, numbers & letters not unduly thick and lack defined edges, durable, and black (poor line quality).  
 Figs. 176
11. SHADING. 37 CFR 1.84(m).  
 Solid black areas pale. Figs. \_\_\_\_\_  
 Solid black shading not permitted. Figs. \_\_\_\_\_  
 Shaded lines, pale, rough and blurred. Figs. \_\_\_\_\_
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p).  
 Numbers and reference characters not plain and legible.  
 Figs. 176, 15, 14  
 Figure legends are poor. Figs. \_\_\_\_\_  
 Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)  
 Figs. \_\_\_\_\_  
 English alphabet not used. 37 CFR 1.84(p)(2)  
 Figs. \_\_\_\_\_  
 Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)  
 Figs. \_\_\_\_\_
13. LEAD-LINES. 37 CFR 1.84(q).  
 Lead lines cross each other. Figs. \_\_\_\_\_  
 Lead lines missing. Figs. \_\_\_\_\_
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t).  
 Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) \_\_\_\_\_
15. NUMBERING OF VIEWS. 37 CFR 1.84(u).  
 Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Figs. \_\_\_\_\_
16. CORRECTIONS. 37 CFR 1.84(w).  
 Corrections not made from prior PTO-948 dated \_\_\_\_\_
17. DESIGN DRAWINGS. 37 CFR 1.852.  
 Surface shading shown not appropriate. Figs. \_\_\_\_\_  
 Solid black shading not used for color contrast  
 Figs. \_\_\_\_\_

## COMMENTS

REVIEWER 77DATE 10/25/02TELEPHONE NO 308-5011

ATTACHMENT TO PAPER NO. \_\_\_\_\_